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APR 23 2003

TECH CENTE

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/715,876

DATE: 04/16/2003

TIME: 16:55:53

Input Set : A:\EP.txt

Output Set: N:\CRF4\04162003\I715876.raw

3 <110> APPLICANT: Edwards Jr., John E., et al.
5 <120> TITLE OF INVENTION: Pharmaceutical Compositions and Methods to Vaccinate Against
Disseminated
6 Candidiasis.
8 <130> FILE REFERENCE: 13361.4001
10 <140> CURRENT APPLICATION NUMBER: US 09/715,876
11 <141> CURRENT FILING DATE: 2000-11-18
13 <160> NUMBER OF SEQ ID NOS: 8
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 33
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: PCR Primer
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32 <213> ORGANISM: Artificial sequence
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54 <211> LENGTH: 31
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: PCR Primer
61 <400> SEQUENCE: 4
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65 <210> SEQ ID NO: 5
66 <211> LENGTH: 20
67 <212> TYPE: DNA

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80 <213> ORGANISM: Artificial sequence
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99 aaaggggccag gatacccaac ttggaatgct gttttgggtt ggctcctaga tgggtaccagt 180
101 gccaatccag gggatacatt cacattgaat atgccatgtg tgtttaaata tactacttca 240
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135 acaactgtta ccagtgaatg gacaggaaca atcactacca ccacaactcg taccaatcca 1260
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155 ccaccaggtg gtactgacac tgttatcatt agagagccac caaaccacac tgtcactact 1860

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163 cttatcagag agccaccaa ccatactgtc actactactg aatactgggtc tcaatcatat 2100
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167 ccaccaaacc atactgtcac tactactgaa tactgggtctc aatcatatgc tacaaccacc 2220
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215 tctgttacca acagcaacag cattgtatct aataccacac aaactacatt gagtcaacaa 3660
217 gttacctcat cctcaccttc aaccaacaca ttcattgctt ctacatacga tggctctggg 3720
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235 20 25 30
237 Ser Asn Ala Ala Asn Tyr Ala Phe Lys Gly Pro Gly Tyr Pro Thr Trp
238 35 40 45
240 Asn Ala Val Leu Gly Trp Ser Leu Asp Gly Thr Ser Ala Asn Pro Gly
241 50 55 60
243 Asp Thr Phe Thr Leu Asn Met Pro Cys Val Phe Lys Tyr Thr Thr Ser
244 65 70 75 80
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250				100				105					110			
252	Thr	Val	Asn	Asp	Ala	Leu	Lys	Ser	Ser	Ile	Lys	Ala	Phe	Gly	Thr	Val
253			115					120					125			
255	Thr	Leu	Pro	Ile	Ala	Phe	Asn	Val	Gly	Gly	Thr	Gly	Ser	Ser	Thr	Asp
256		130					135					140				
258	Leu	Glu	Asp	Ser	Lys	Cys	Phe	Thr	Ala	Gly	Thr	Asn	Thr	Val	Thr	Phe
259	145					150					155				160	
261	Asn	Asp	Gly	Asp	Lys	Asp	Ile	Ser	Ile	Asp	Val	Glu	Phe	Glu	Lys	Ser
262				165						170					175	
264	Thr	Val	Asp	Pro	Ser	Ala	Tyr	Leu	Tyr	Ala	Ser	Arg	Val	Met	Pro	Ser
265				180						185				190		
267	Leu	Asn	Lys	Val	Thr	Thr	Leu	Phe	Val	Ala	Pro	Gln	Cys	Glu	Asn	Gly
268			195					200					205			
270	Tyr	Thr	Ser	Gly	Thr	Met	Gly	Phe	Ser	Ser	Ser	Asn	Gly	Asp	Val	Ala
271		210					215					220				
273	Ile	Asp	Cys	Ser	Asn	Ile	His	Ile	Gly	Ile	Thr	Lys	Gly	Leu	Asn	Asp
274	225				230						235				240	
276	Trp	Asn	Tyr	Pro	Val	Ser	Ser	Glu	Ser	Phe	Ser	Tyr	Thr	Lys	Thr	Cys
277				245						250				255		
279	Thr	Ser	Asn	Gly	Ile	Gln	Ile	Lys	Tyr	Gln	Asn	Val	Pro	Ala	Gly	Tyr
280				260					265					270		
282	Arg	Pro	Phe	Ile	Asp	Ala	Tyr	Ile	Ser	Ala	Thr	Asp	Val	Asn	Gln	Tyr
283			275					280					285			
285	Thr	Leu	Ala	Tyr	Thr	Asn	Asp	Tyr	Thr	Cys	Ala	Gly	Ser	Arg	Leu	Gln
286		290				295					300					
288	Ser	Lys	Pro	Phe	Thr	Leu	Arg	Trp	Thr	Gly	Tyr	Lys	Asn	Ser	Asp	Ala
289	305					310					315				320	
291	Gly	Ser	Asn	Gly	Ile	Val	Ile	Val	Ala	Thr	Thr	Arg	Thr	Val	Thr	Asp
292				325						330					335	
294	Ser	Thr	Thr	Ala	Val	Thr	Thr	Leu	Pro	Phe	Asn	Pro	Ser	Val	Asp	Lys
295				340					345					350		
297	Thr	Lys	Thr	Ile	Glu	Ile	Leu	Gln	Pro	Ile	Pro	Thr	Thr	Thr	Ile	Thr
298			355					360					365			
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301		370					375					380				
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304	385					390					395				400	
306	Thr	Thr	Val	Thr	Ser	Glu	Trp	Thr	Gly	Thr	Ile	Thr	Thr	Thr	Thr	Thr
307				405						410				415		
309	Arg	Thr	Asn	Pro	Thr	Asp	Ser	Ile	Asp	Thr	Val	Val	Val	Gln	Val	Pro
310				420					425					430		
312	Leu	Pro	Asn	Pro	Thr	Val	Ser	Thr	Thr	Glu	Tyr	Trp	Ser	Gln	Ser	Phe
313			435					440						445		
315	Ala	Thr	Thr	Thr	Thr	Val	Thr	Ala	Pro	Pro	Gly	Gly	Thr	Asp	Thr	Val
316		450				455					460					
318	Ile	Ile	Arg	Glu	Pro	Pro	Asn	His	Thr	Val	Thr	Thr	Thr	Glu	Tyr	Trp
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322                               485                               490                               495
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325                               500                               505                               510
327 Thr Glu Tyr Trp Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Ala
328                               515                               520                               525
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337                               565                               570                               575
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343                               595                               600                               605
345 Ile Ile Arg Glu Pro Pro Asn His Thr Val Thr Thr Thr Glu Tyr Trp
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349 625                               630                               635                               640
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352                               645                               650                               655
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355                               660                               665                               670
357 Pro Pro Gly Glu Thr Asp Thr Val Leu Ile Arg Glu Pro Pro Asn His
358                               675                               680                               685
360 Thr Val Thr Thr Thr Glu Tyr Trp Ser Gln Ser Tyr Ala Thr Thr Thr
361                               690                               695                               700
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364 705                               710                               715                               720
366 Pro Pro Asn His Thr Val Thr Thr Thr Glu Tyr Trp Ser Gln Ser Tyr
367                               725                               730                               735
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370                               740                               745                               750
372 Ile Ile Arg Glu Pro Pro Asn Pro Thr Val Thr Thr Thr Glu Tyr Trp
373                               755                               760                               765
375 Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Ala Pro Pro Gly Gly
376                               770                               775                               780
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379 785                               790                               795                               800
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382                               805                               810                               815
384 His Tyr Val Asn Ser Thr Thr Ser Asp Leu Ser Thr Phe Glu Ser Ser
385                               820                               825                               830
387 Ser Met Asn Thr Pro Thr Ser Ile Ser Ser Asp Gly Met Leu Leu Ser
388                               835                               840                               845
390 Ser Thr Thr Leu Val Thr Glu Ser Glu Thr Thr Thr Glu Leu Ile Cys
391                               850                               855                               860
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

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